

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM006	
Creation Date of PD	6/30/06	
Job Title	Analysts - Subsystems Performance Assessment	
SNL Dept Name	Subsystems Performance Assessment Department	
SNL Org Number (or TBD)	06852	
Number of Openings	3	
Description of Position	<p>Subsystems Performance Assessment Analysts:</p> <p>Specifically, Unsaturated Zone (UZ) and Saturated Zone (SZ) hydrogeologists and scientists will provide technical support for process (or subsystem) models utilized in the total systems performance assessment (TSPA) of deep geologic repositories for radioactive waste at Yucca Mountain.</p>	
Required Skills & Experience	<p>This position requires at least 5 years of experience in the development and implementation of UZ, and SZ flow and transport modeling on the YMP program. This includes analyses of experimental (laboratory and field) data, conceptual and numerical model development and validation, and documentation of results within a regulatory framework. Excellent communication and interpersonal skills are required, as well as the ability to work in a team environment and interact effectively with a broad range of colleagues.</p>	
Desired Skills & Experience (if applicable)	<p>Experience interacting or presenting to the Nuclear Regulatory Commission (NRC) or the Nuclear Waste Technical Review Board (NWTRB) is desired.</p>	
Required Education (Degrees & Levels)	<p>An advanced degree in hydrogeology or civil or environmental engineering or relevant engineering or the physical sciences.</p>	
Desired Education (Degrees & Levels - if applicable)	<p>Ph.D. is desired but not required.</p>	
Full Time Position? (Y/N)	Y	
Job Requires lifting 35+ Pounds (Y/N)	N	
Desired Start Date	10/1/06	
Can this position accommodate...		
Part Time Employees? (Y/N)	Telecommuting? (Y/N)	Foreign Nationals? (Y/N)

Please Select All Related WBS Elements for this PD
(required for distributing PDs to contract providers for sourcing)

WBS Elements of 1.5.03		X
1.5.03.03	Unsaturated Zone Flow and Transport - Post Closure Safety	X
1.5.03.04	Saturated Zone Flow and Transport - Post Closure Safety	X

Sand #: 2006-4508W